

Amendments to the Claims:

This listing of claims will replace all prior version, and listings, of claims in the application:

Listing of Claims:

1-18. (Canceled).

19. (New) A method for changing software in a first memory area in a control unit for controlling operational sequences, the method comprising:

replacing execution of old software parts with execution of new software parts; and
writing the old software parts into the first memory area;

wherein the new software parts are written into a second memory area and, due to a first branching in the first memory area, instead of the old software parts being executed in the first memory area, the new software parts are executed in the second memory area, the control unit, following the execution of the new software parts, branching back again into the first memory area via a second branching in the second memory area and the execution of the other software distinct from the old software parts being continued in the first memory area, the old software parts remaining in the first memory area.

20. (New) The method of claim 19, wherein the second memory area is only used to receive the new software parts.

21. (New) The method of claim 19, wherein the first branching and the second branching are implemented by at least one chained list.

22. (New) The method of claim 19, wherein as a first branching a start address of the new software parts is used, this being used to overwrite at least partially the old software parts.

23. (New) The method of claim 19, wherein as the second branching a start address of the additional software distinct from the old software parts is used.

24. (New) The method of claim 19, wherein the new software parts contain information that indicate which old software parts are to be replaced.

25. (New) The method of claim 19, wherein the new software parts contain information that indicate by which new software parts the old software parts are to be replaced.

26. (New) The method of claim 19, wherein the second memory area, in addition to at least one new software part, contains an address for the first branching, an address for the second branching and an address for the start of the old software part, which is to be replaced by the at least one new software part.
27. (New) The method of claim 26, wherein the second memory area furthermore contains the length of at least one of the at least one new software part and of the at least one old software part.
28. (New) The method of claim 27, wherein the addresses are integrated into a data record in the second memory area.
29. (New) The method of claim 28, wherein at least two old software parts and the at least two new software parts, which replace these, are provided, the addresses being respectively integrated into one data record and written into the second memory area.
30. (New) The method of claim 19, wherein as the first memory area a first table and as the second memory area a second table are provided in the same memory.
31. (New) The method of claim 19, wherein the first memory area and the second memory area are divided into two software sections of equal size, a new software part being written into each software section of the second memory area.
32. (New) The method of claim 28, wherein every data record or every software section is provided with an identification.
33. (New) The method of claim 32, wherein the identification for a software section in the first memory area, which contains an old software part, and the identification for the corresponding software section having the new software part, which replaces the old software part, are the same.
34. (New) A device for changing software in a first memory area in a control unit for controlling operational sequences, the device comprising:
- a control unit for replacing the execution of old software parts with the execution of new software parts, and the old software parts being written into the first memory area, wherein an arrangement is included, which writes the new software parts into a second

memory area and a first branching into the first memory area, whereby, instead of the old software parts being executed in the first memory area, the new software parts are executed in the second memory area, the arrangement also writing a second branching into the second memory area, whereby, following the execution of the new software parts, the control unit branches back again into the first memory area and the execution of the additional software distinct from the old software parts is continued in the first memory area, the old software parts remaining in the first memory area.

35. (New) A control unit comprising:

a first memory area, in which old software parts and additional software parts distinct from the old software parts are stored;

a second memory area, which contains new software parts replacing the old software parts; and

an arrangement to write the new software parts into a second memory area and a first branching into the first memory area, whereby, instead of the old software parts being executed in the first memory area, the new software parts are executed in the second memory area, the arrangement also writing a second branching into the second memory area, whereby, following the execution of the new software parts, the control unit branches back again into the first memory area and the execution of the additional software distinct from the old software parts is continued in the first memory area, the old software parts remaining in the first memory area.

36. (New) A computer program executable in a control unit, comprising:

program code for changing software in a first memory area in a control unit for controlling operational sequences, by performing the following:

replacing execution of old software parts with execution of new software parts; and

writing the old software parts into the first memory area;

wherein the new software parts are written into a second memory area and, due to a first branching in the first memory area, instead of the old software parts being executed in the first memory area, the new software parts are executed in the second memory area, the control unit, following the execution of the new software parts, branching back again into the first memory area via a second branching in the second memory area and the execution of the other software distinct from the old software

parts being continued in the first memory area, the old software parts remaining in the first memory area.